

Sequence Listing

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5 <130> Case 21409  
<150> EP 02021602  
<151> 2002-09-27  
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acc gcg ccc gcc gca ttc gcg cag gta acc ccg att acc gat gaa ctg 96  
Thr Ala Pro Ala Ala Phe Ala Gln Val Thr Pro Ile Thr Asp Glu Leu  
20 25 30  
ctg gcg aac ccg ccc gct ggt gaa tgg att aac tac ggc cgc aac caa 144  
Leu Ala Asn Pro Pro Ala Gly Glu Trp Ile Asn Tyr Gly Arg Asn Gln  
35 35 40 45  
gaa aac tat cgc cac tcg ccc ctg acc cag atc act gcc gac aac gtt 192  
Glu Asn Tyr Arg His Ser Pro Leu Thr Gln Ile Thr Ala Asp Asn Val  
40 50 55 60  
ggt cag ttg caa ctg gtc tgg gcc cgc ggg atg gag gcg ggg gcc gta 240  
Gly Gln Leu Gln Leu Val Trp Ala Arg Gly Met Glu Ala Gly Ala Val  
65 70 75 80  
cag gtc acg ccg atg atc cat gat ggc gtg atg tat ctg gca aac ccc 288  
Gln Val Thr Pro Met Ile His Asp Gly Val Met Tyr Leu Ala Asn Pro  
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50 ggt gat gtg atc cag gcg ctg gat gcg caa aca ggc gat ctg atc tgg 336  
Gly Asp Val Ile Gln Ala Leu Asp Ala Gln Thr Gly Asp Leu Ile Trp  
100 105 110  
55 gaa cac cgc cgc caa ctg ccc gcc gtc gcc acg cta aac gcc caa ggc 384  
Glu His Arg Arg Gln Leu Pro Ala Val Ala Thr Leu Asn Ala Gln Gly  
115 120 125

	gac cgc aag cgc ggc gtc gcc ctt tac ggc acg agc ctc tat ttc agc Asp Arg Lys Arg Gly Val Ala Leu Tyr Gly Thr Ser Leu Tyr Phe Ser 130 135 140	432
5	tca tgg gac aac cat ctg atc gcg ctg gat atg gag acg ggc cag gtc Ser Trp Asp Asn His Leu Ile Ala Leu Asp Met Glu Thr Gly Gln Val 145 150 155 160	480
10	gta ttc gat gtc gaa cgt gga tcg ggc gaa gac ggc ttg acc agt aac Val Phe Asp Val Glu Arg Gly Ser Gly Glu Asp Gly Leu Thr Ser Asn 165 170 175	528
15	acc acg ggg ccg att gtc gcc aat ggc gtc atc gtc gcg ggt tcc acc Thr Thr Gly Pro Ile Val Ala Asn Gly Val Ile Val Ala Gly Ser Thr 180 185 190	576
20	tgc caa tat tcg ccc tat gga tgc ttt atc tcg ggg cac gat tcc gcg Cys Gln Tyr Ser Pro Tyr Gly Cys Phe Ile Ser Gly His Asp Ser Ala 195 200 205	624
25	acg ggt gag gag ctg tgg cgc aac cac ttt atc ccg cag ccg ggc gaa Thr Gly Glu Leu Trp Arg Asn His Phe Ile Pro Gln Pro Gly Glu 210 215 220	672
30	gag ggt gac gag act tgg ggc aat gat ttc gag gcg cgc tgg atg acc Glu Gly Asp Glu Thr Trp Gly Asn Asp Phe Glu Ala Arg Trp Met Thr 225 230 235 240	720
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	acg atg tgg tcg ttt gat gcg gcc tcg ggc gaa ttc ctg tgg gcg cgt Thr Met Trp Ser Phe Asp Ala Ala Ser Gly Glu Phe Leu Trp Ala Arg 355 360 365	110
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	Asp Val Cys Pro Thr Phe Leu Gly Gly Arg Asp Trp Ser Ser Ala Ala			
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10	ctg aac ccg gac acc ggc att tac ttc ttg ccg ctg aac aat gcc tgc	1296		
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	435	440	445	
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	cgc atc gac gcg att gat atc agc acc ggg cgc acc ttg tgg tcg gcg	1440		
	Arg Ile Asp Ala Ile Asp Ser Thr Gly Arg Thr Leu Trp Ser Ala			
25	465	470	475	480
	gag cgc cct gcg gcg aac tac tcg ccc gtt ttg tcg acg gca ggc ggt	1488		
	Glu Arg Pro Ala Ala Asn Tyr Ser Pro Val Leu Ser Thr Ala Gly Gly			
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30	gtg gtg ttc aac ggc ggg acc gac cgc tat ttc cgt gcc ctc agc cag	1536		
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35	gaa acc ggc gag act ttg tgg cag gcc cgt ctt gcg acg gtc gcg acg	1584		
	Glu Thr Gly Glu Thr Leu Trp Gln Ala Arg Leu Ala Thr Val Ala Thr			
	515	520	525	
40	ggg cag gcg atc agc tac gag ttg gac ggc gtg caa tat atc gcc atc	1632		
	Gly Gln Ala Ile Ser Tyr Glu Leu Asp Gly Val Gln Tyr Ile Ala Ile			
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45	ggt gcg ggc ggt ctg acc tat ggc acg caa ttg aac gcg ccg ctg gcc	1680		
	Gly Ala Gly Gly Leu Thr Tyr Gly Thr Gln Leu Asn Ala Pro Leu Ala			
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	gag gca atc gat tcg acc tcg gtc ggt aat gcg atc tat gtc ttt gca	1728		
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Leu Ala Asn Pro Pro Ala Gly Glu Trp Ile Asn Tyr Gly Arg Asn Gln  
35 40 45

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Glu Asn Tyr Arg His Ser Pro Leu Thr Gln Ile Thr Ala Asp Asn Val  
50 55 60

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Gly Gln Leu Gln Leu Val Trp Ala Arg Gly Met Glu Ala Gly Ala Val  
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Gln Val Thr Pro Met Ile His Asp Gly Val Met Tyr Leu Ala Asn Pro  
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Gly Asp Val Ile Gln Ala Leu Asp Ala Gln Thr Gly Asp Leu Ile Trp  
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Glu His Arg Arg Gln Leu Pro Ala Val Ala Thr Leu Asn Ala Gln Gly  
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Asp Arg Lys Arg Gly Val Ala Leu Tyr Gly Thr Ser Leu Tyr Phe Ser  
130 135 140

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Ser Trp Asp Asn His Leu Ile Ala Leu Asp Met Glu Thr Gly Gln Val  
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Val Phe Asp Val Glu Arg Gly Ser Gly Glu Asp Gly Leu Thr Ser Asn  
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Thr Thr Gly Pro Ile Val Ala Asn Gly Val Ile Val Ala Gly Ser Thr  
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Cys Gln Tyr Ser Pro Tyr Gly Cys Phe Ile Ser Gly His Asp Ser Ala  
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Thr Gly Glu Glu Leu Trp Arg Asn His Phe Ile Pro Gln Pro Gly Glu  
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Glu Gly Asp Glu Thr Trp Gly Asn Asp Phe Glu Ala Arg Trp Met Thr  
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265

270

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40 Val Thr Val Asn Glu Asp Ala Val Leu Lys Glu Leu Asp Val Glu Tyr  
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55 Tyr Asp Ile Met Ala Val Asp Gln Glu Phe Ser Ala Leu Asp Val Tyr  
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6/6

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Leu Pro Gln

20